

Title (en)
NETWORK OF PARALLEL PROCESSORS FAULT-TOLERANT TOWARDS SAID PROCESSORS AND RECONFIGURATION METHOD APPLICABLE TO SUCH A NETWORK

Title (de)
GATTER VON PARALLELEN PROZESSOREN MIT FEHLERTOLERANZ DER PROZESSOREN UND REKONFIGURIERUNGSVERFAHREN DAFÜR

Title (fr)
RESEAU DE PROCESSEURS PARALLELES AVEC TOLERANCE AUX FAUTES DE CES PROCESSEURS, ET PROCEDE DE RECONFIGURATION APPLICABLE A UN TEL RESEAU

Publication
EP 1116130 B1 20050622 (FR)

Application
EP 00949598 A 20000630

Priority
• FR 0001860 W 20000630
• FR 9908553 A 19990702

Abstract (en)
[origin: US6681316B1] This invention relates to a network of parallel elementary processors, tolerant to the faults of these processors including said elementary processors, spare elementary processors, elements interconnecting these processors and a control unit, and alternately a series of interconnecting element lines and processor lines, each processor being surrounded by four interconnecting elements, the processor lines being elementary processor lines, the last processor line being a line of spare processors, the edge elements of the network being interconnecting elements, wherein the control unit, connected to processors and interconnecting elements, sends instructions to the processors, controls the interconnecting elements, and checks the integrity of these processors.

IPC 1-7
G06F 15/80; **G06F 11/20**

IPC 8 full level
G06F 11/00 (2006.01); **G06F 15/80** (2006.01)

CPC (source: EP US)
G06F 11/2025 (2013.01 - EP US); **G06F 11/2051** (2013.01 - EP US); **G06F 15/8023** (2013.01 - EP US); **G06F 11/2041** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6681316 B1 20040120; AT E298437 T1 20050715; DE 60020933 D1 20050728; DE 60020933 T2 20060511; EP 1116130 A1 20010718; EP 1116130 B1 20050622; FR 2795840 A1 20010105; FR 2795840 B1 20010831; WO 0102975 A1 20010111

DOCDB simple family (application)
US 76316401 A 20010216; AT 00949598 T 20000630; DE 60020933 T 20000630; EP 00949598 A 20000630; FR 0001860 W 20000630; FR 9908553 A 19990702